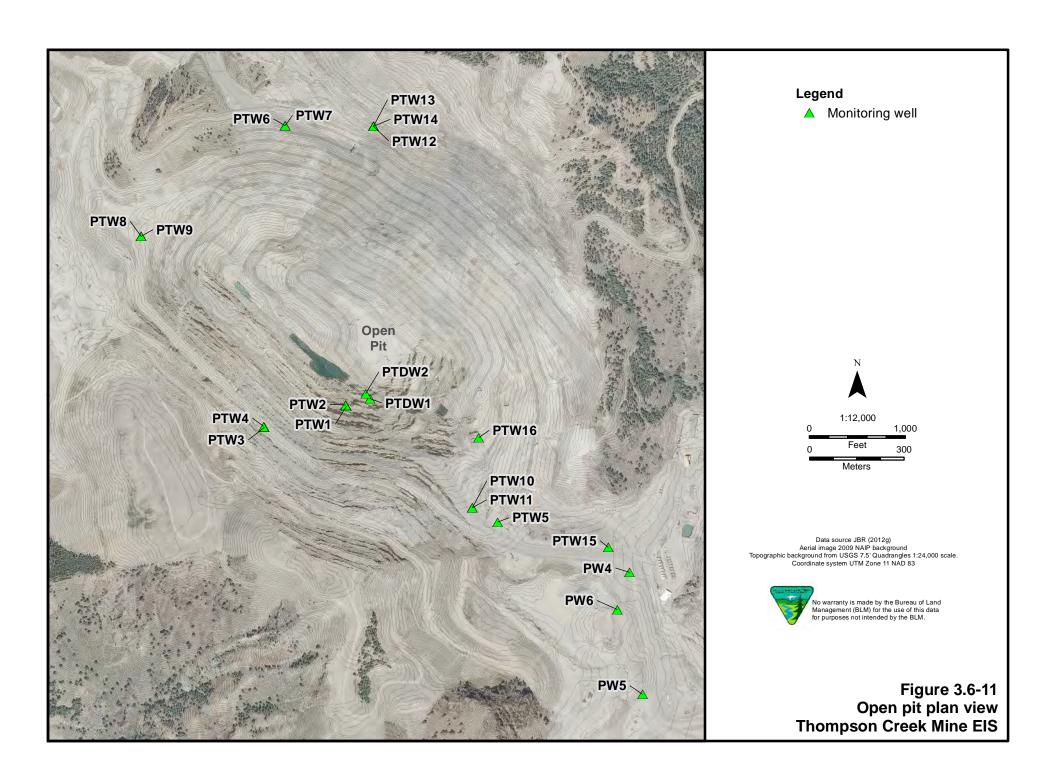
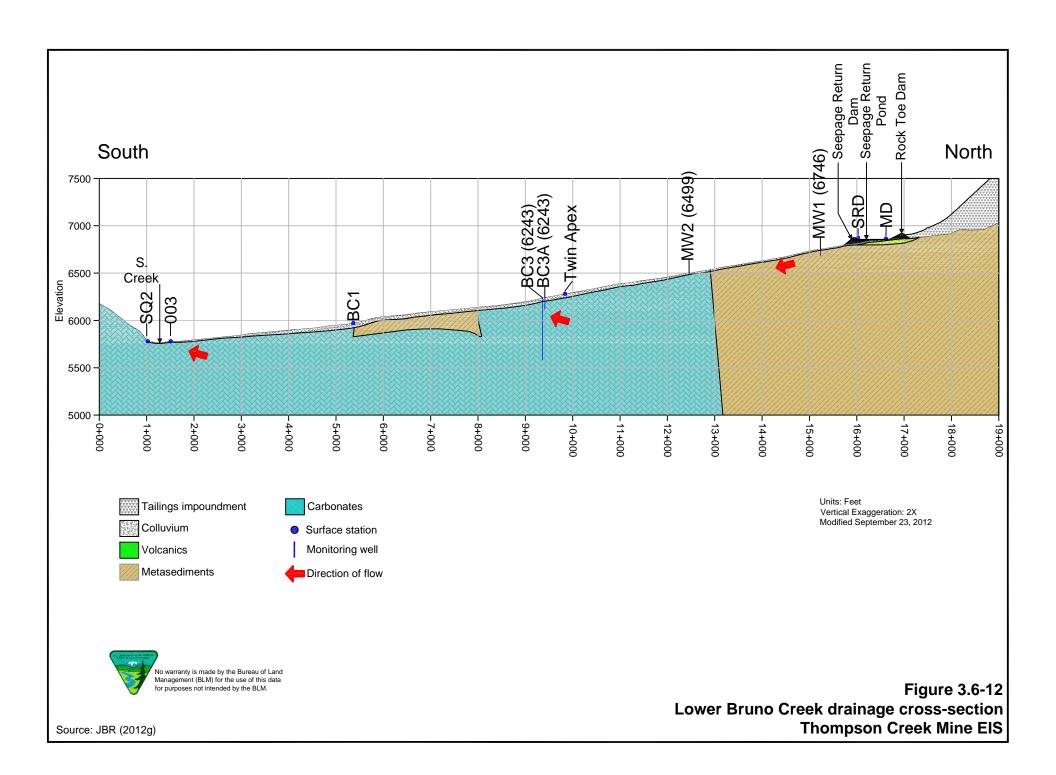


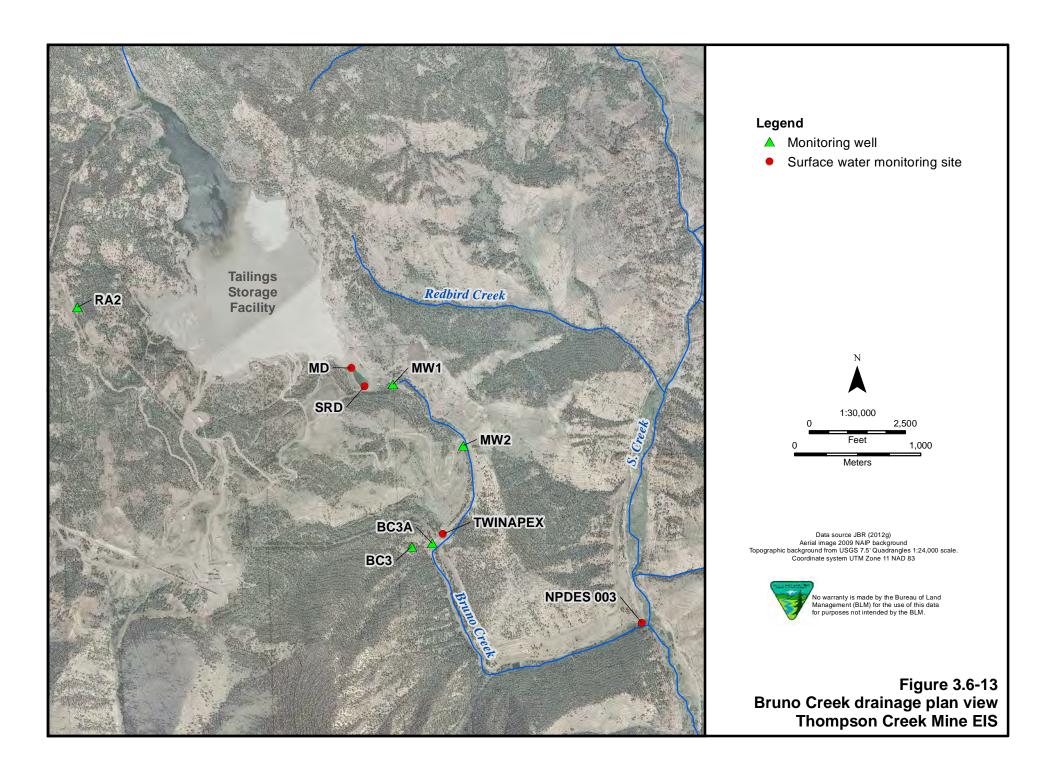


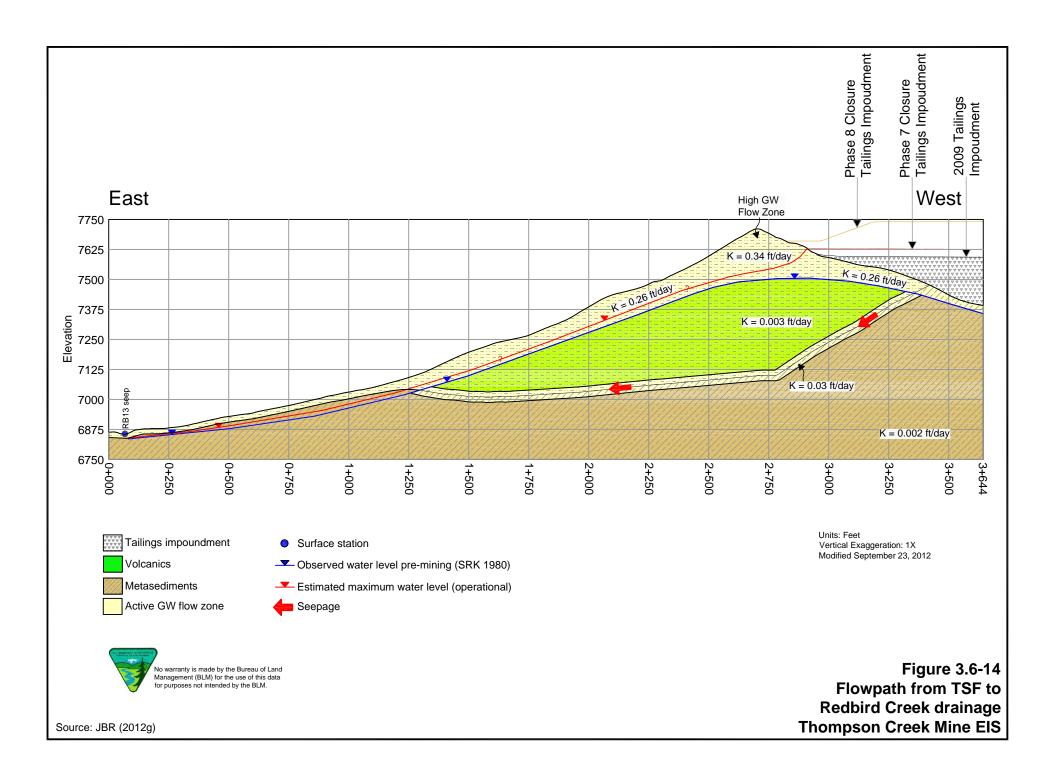
Figure 3.6-10
Open Pit cross-section
Thompson Creek Mine EIS

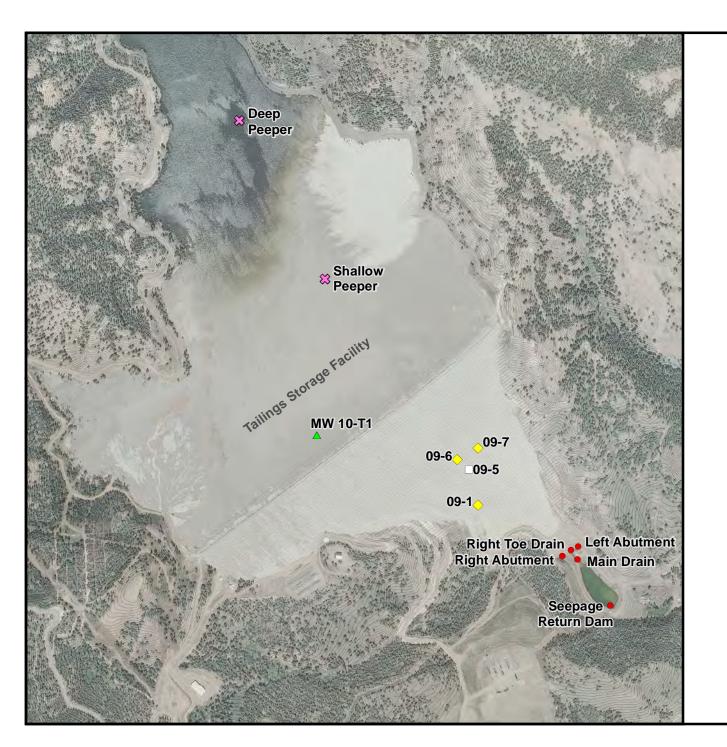
Source: JBR (2012g)





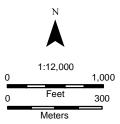






Legend

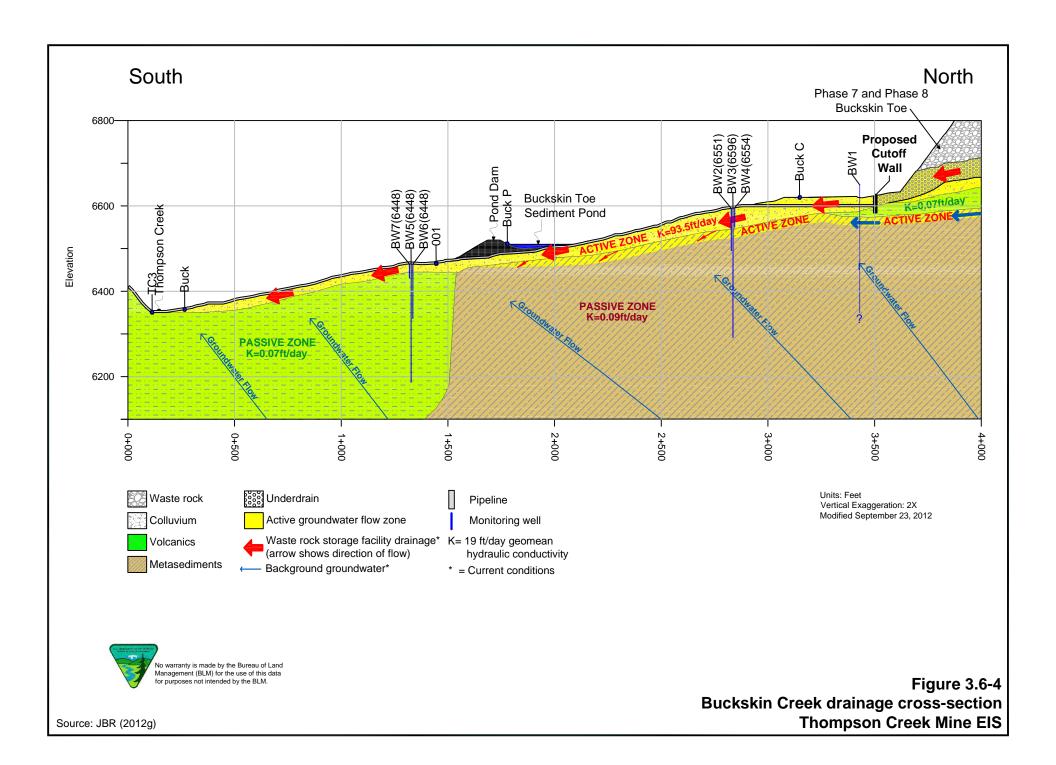
- Peeper sites
- Piezometer
- Piezometer and borehole
- Surface water monitoring site
- Monitoring well

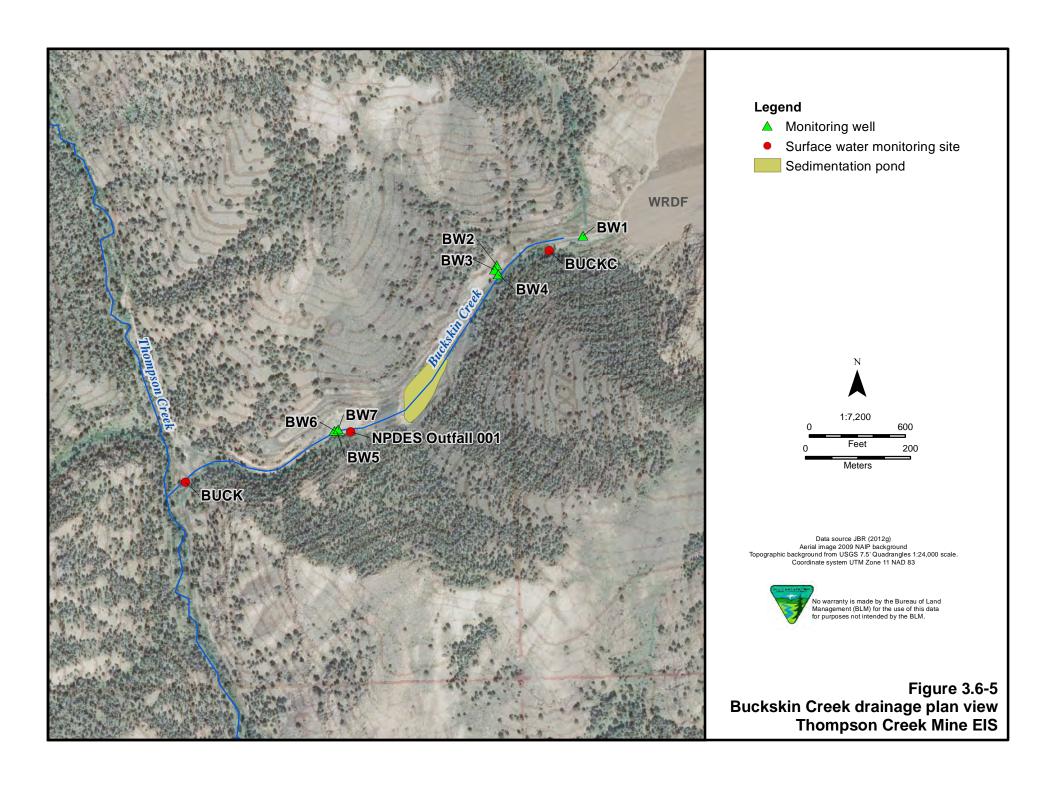


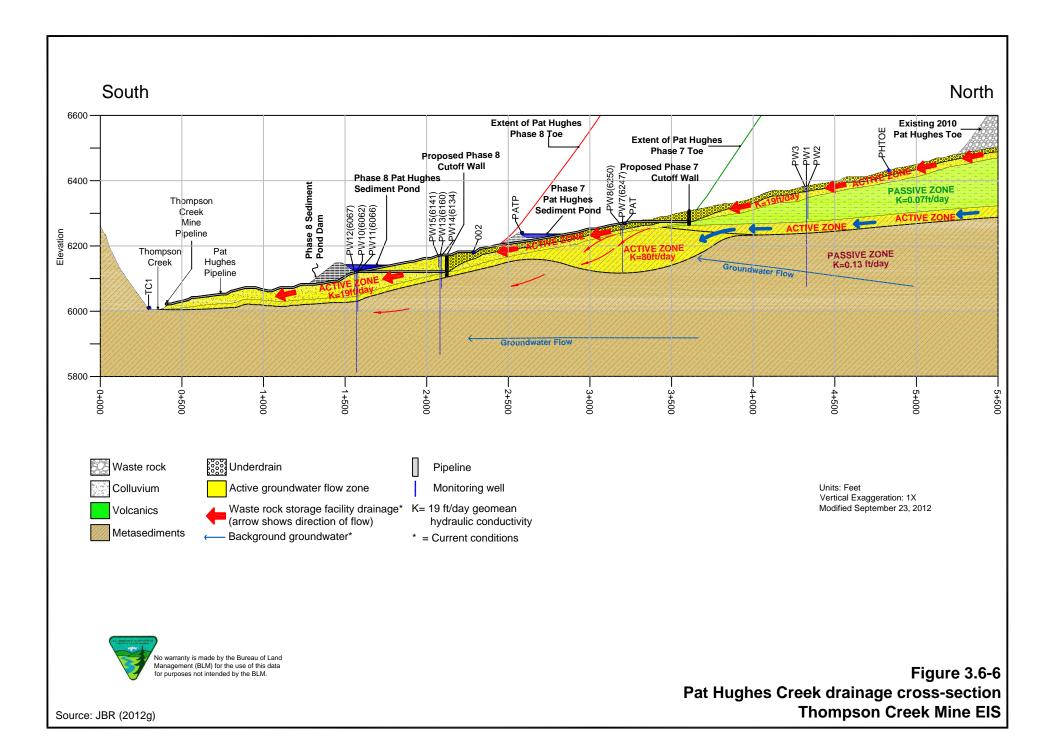
Data source JBR (2012g)
Aerial image 2009 NAIP background
Topographic background from USGS 7.5' Quadrangles 1:24,000 scale.
Coordinate system UTM Zone 11 NAD 83

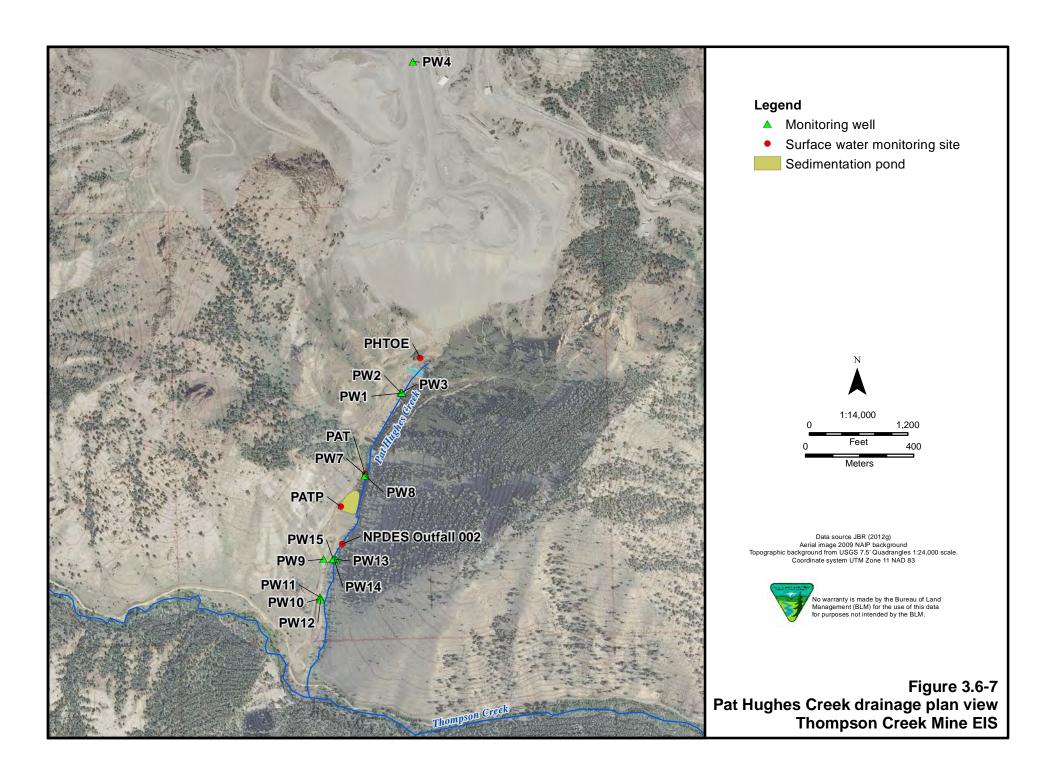


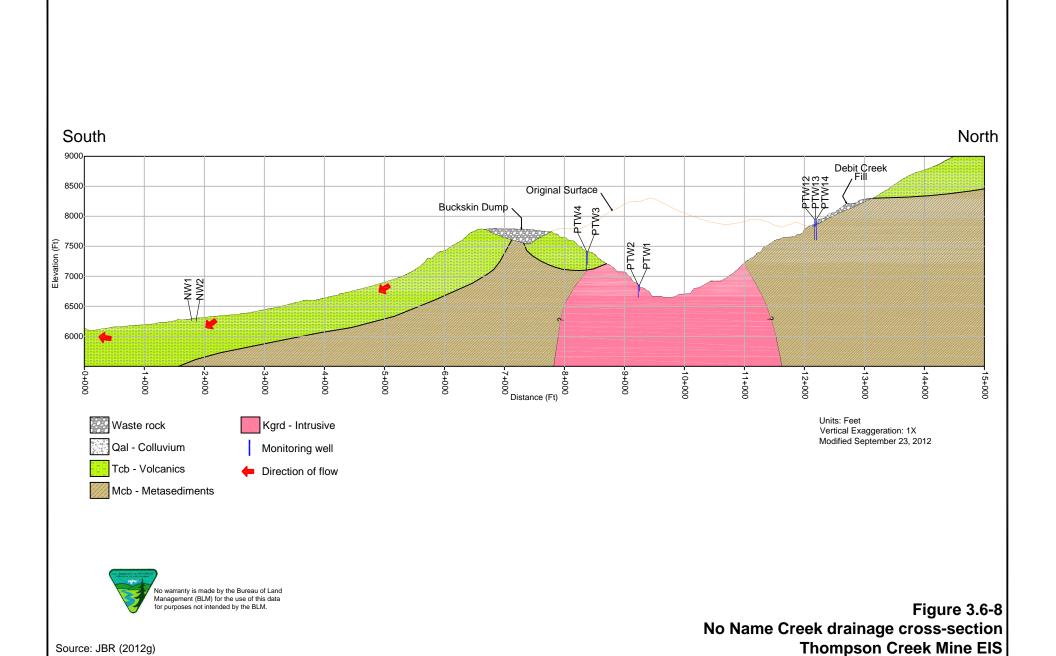
Figure 3.6-15 TSF, water quality monitoring locations Thompson Creek Mine EIS

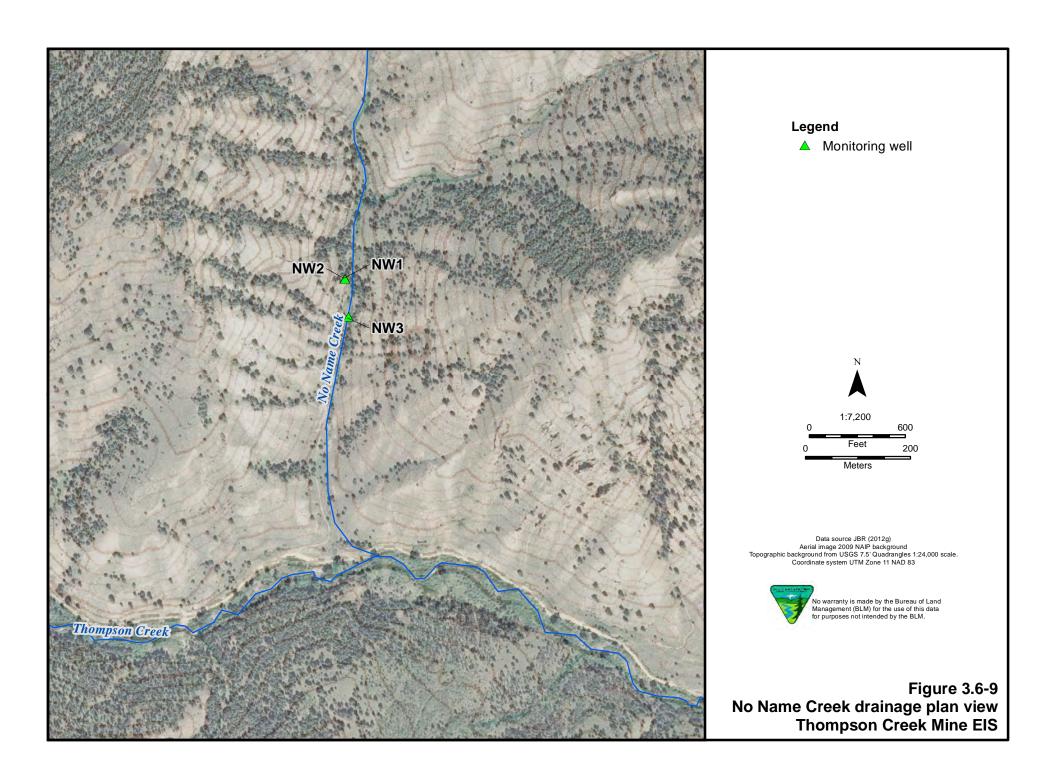


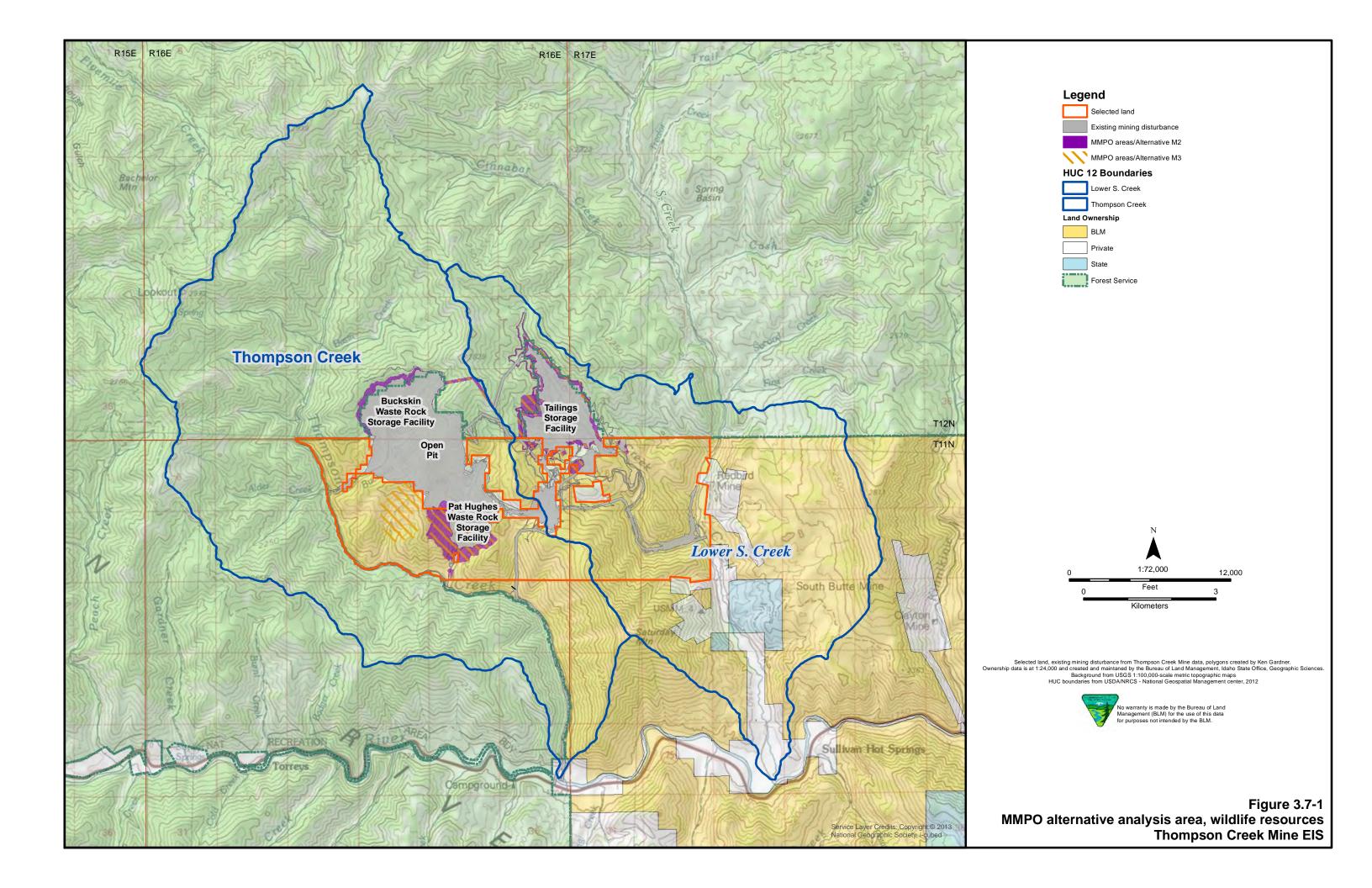


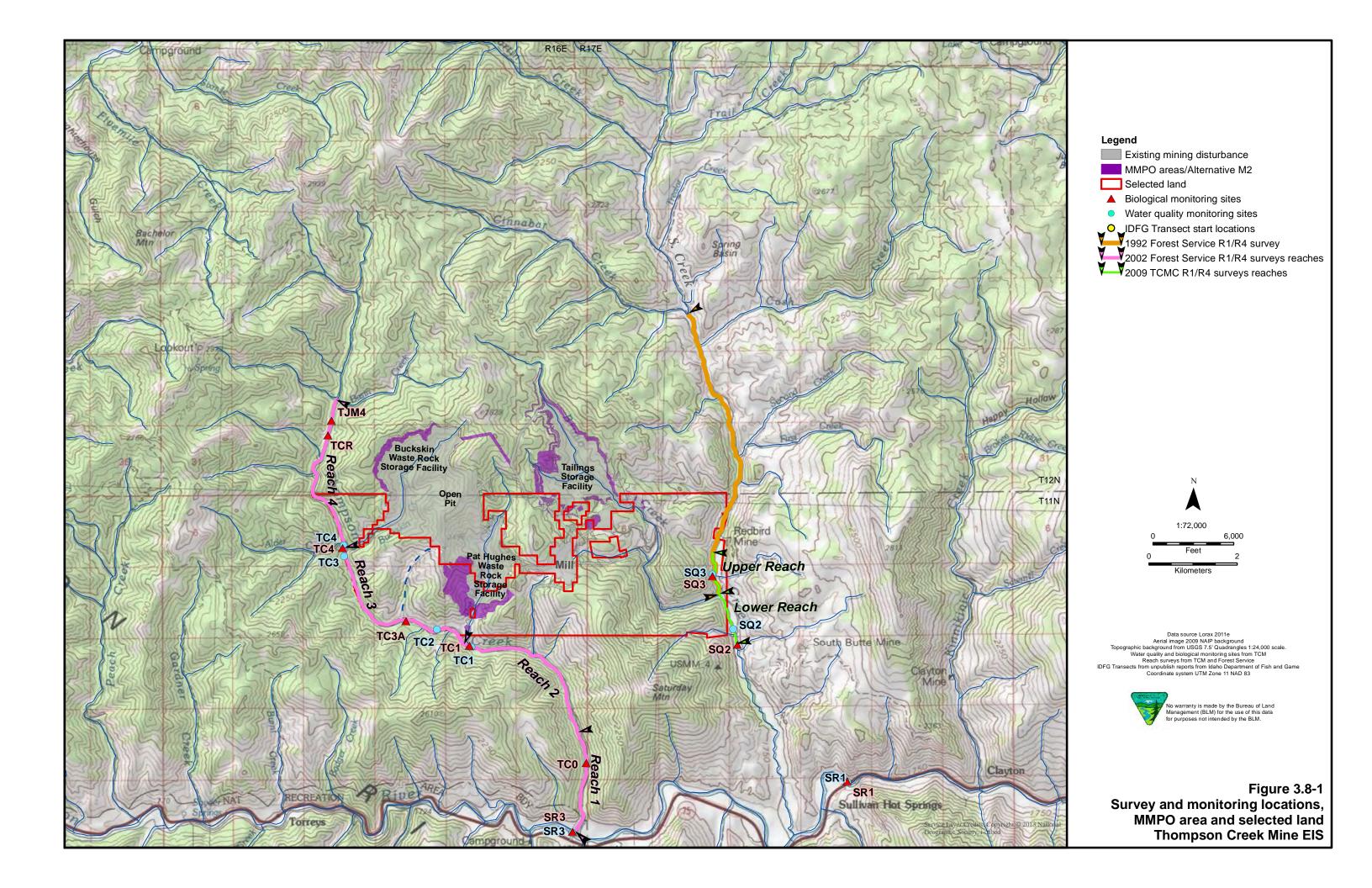


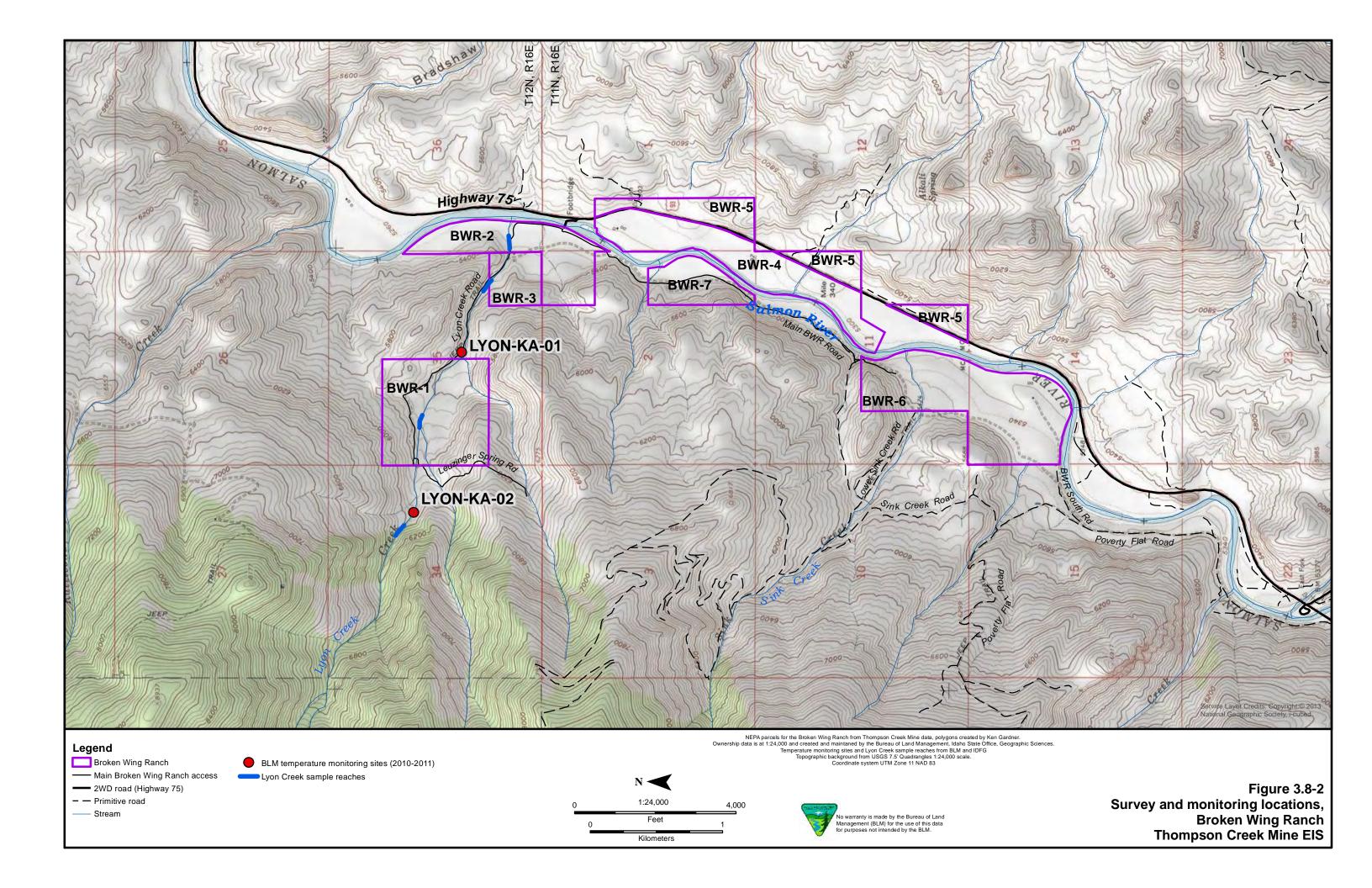


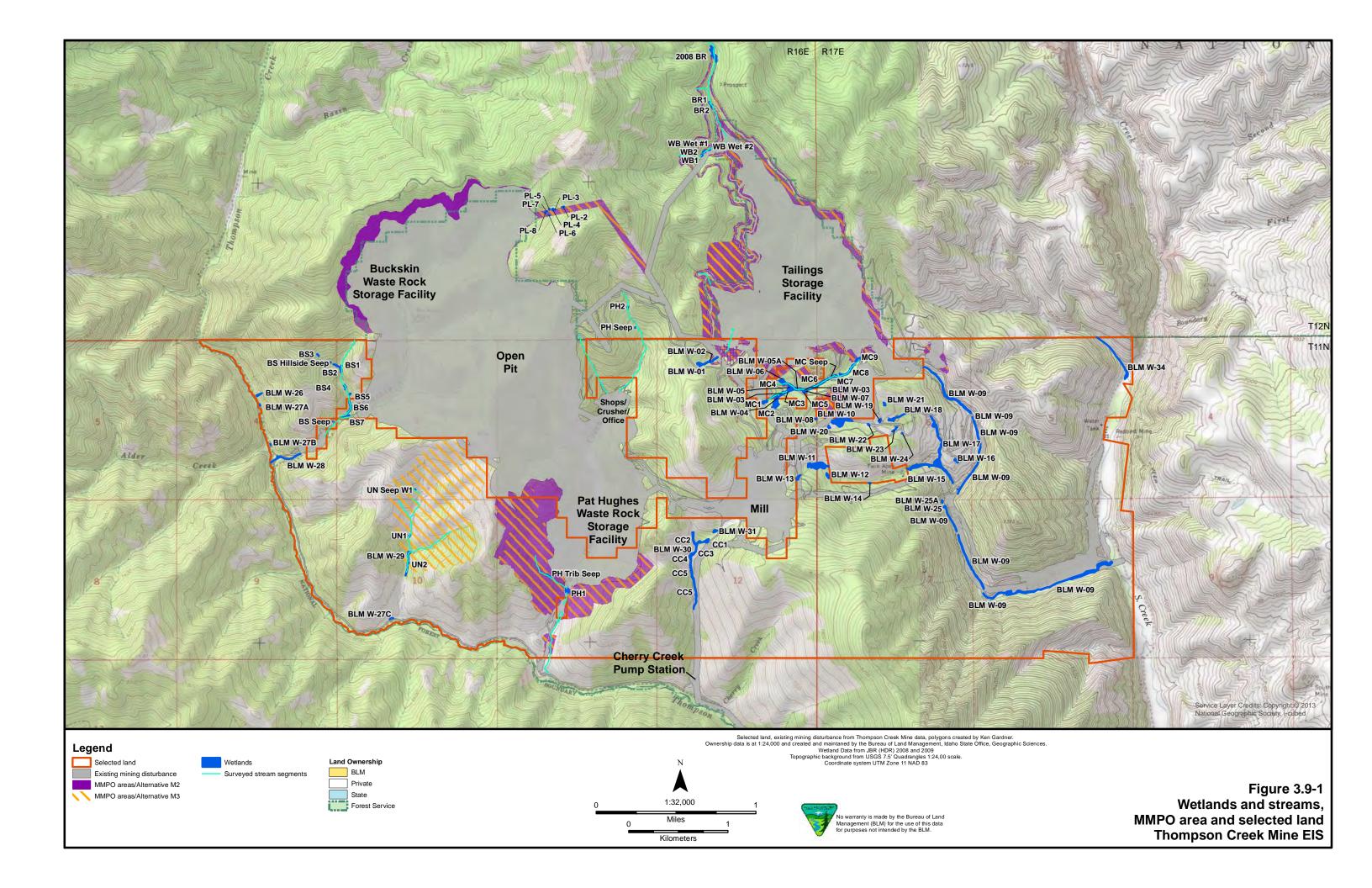


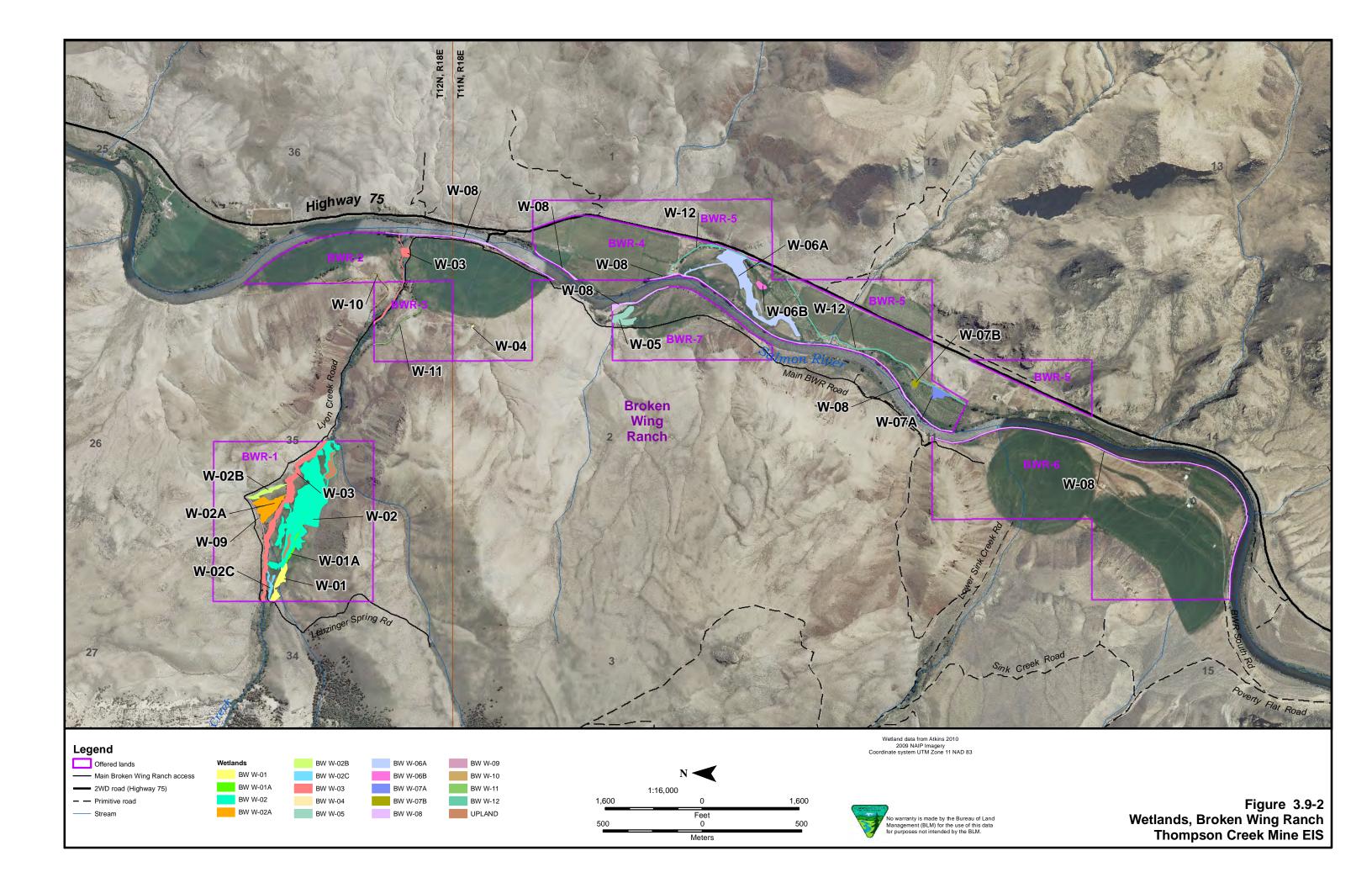


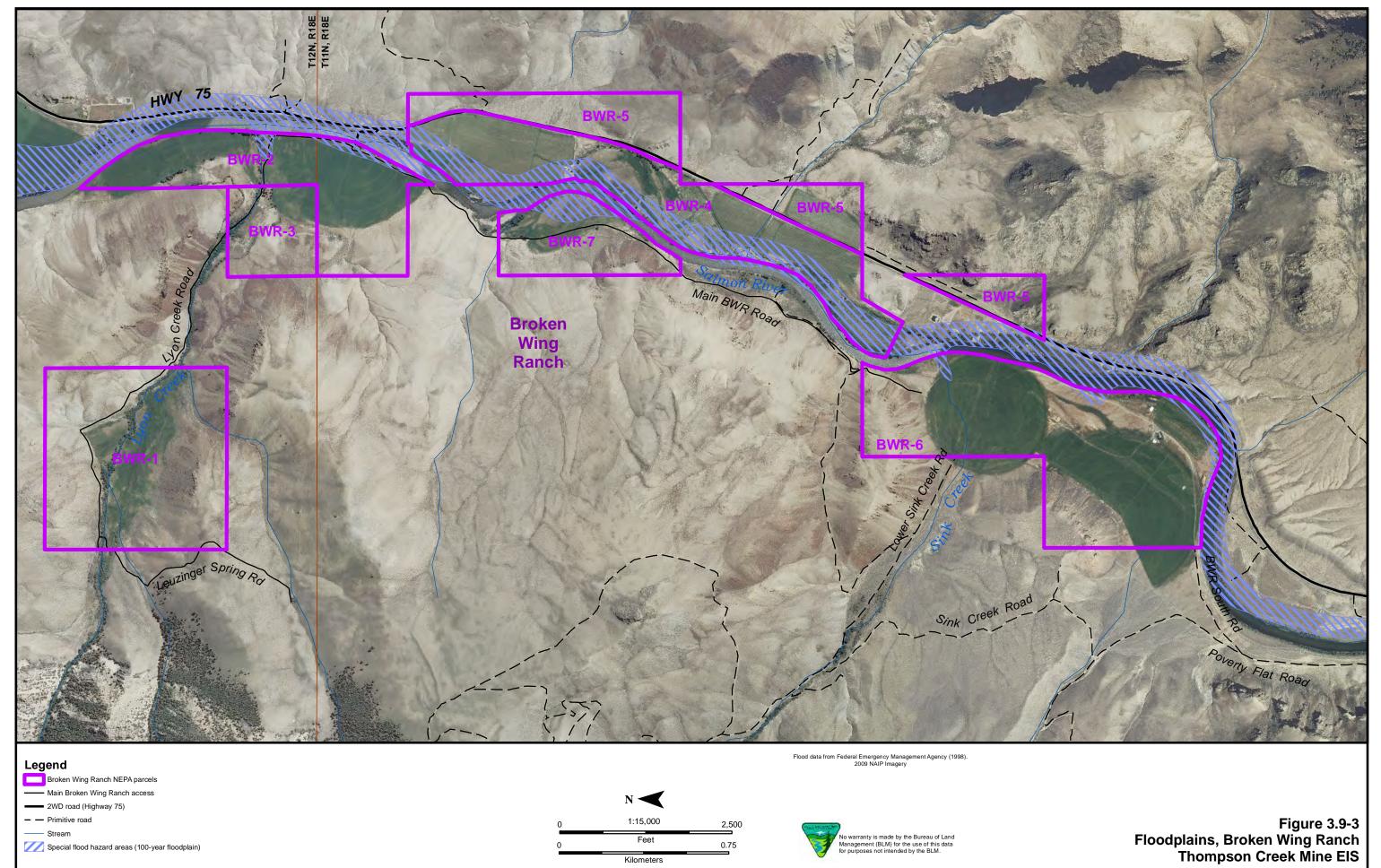








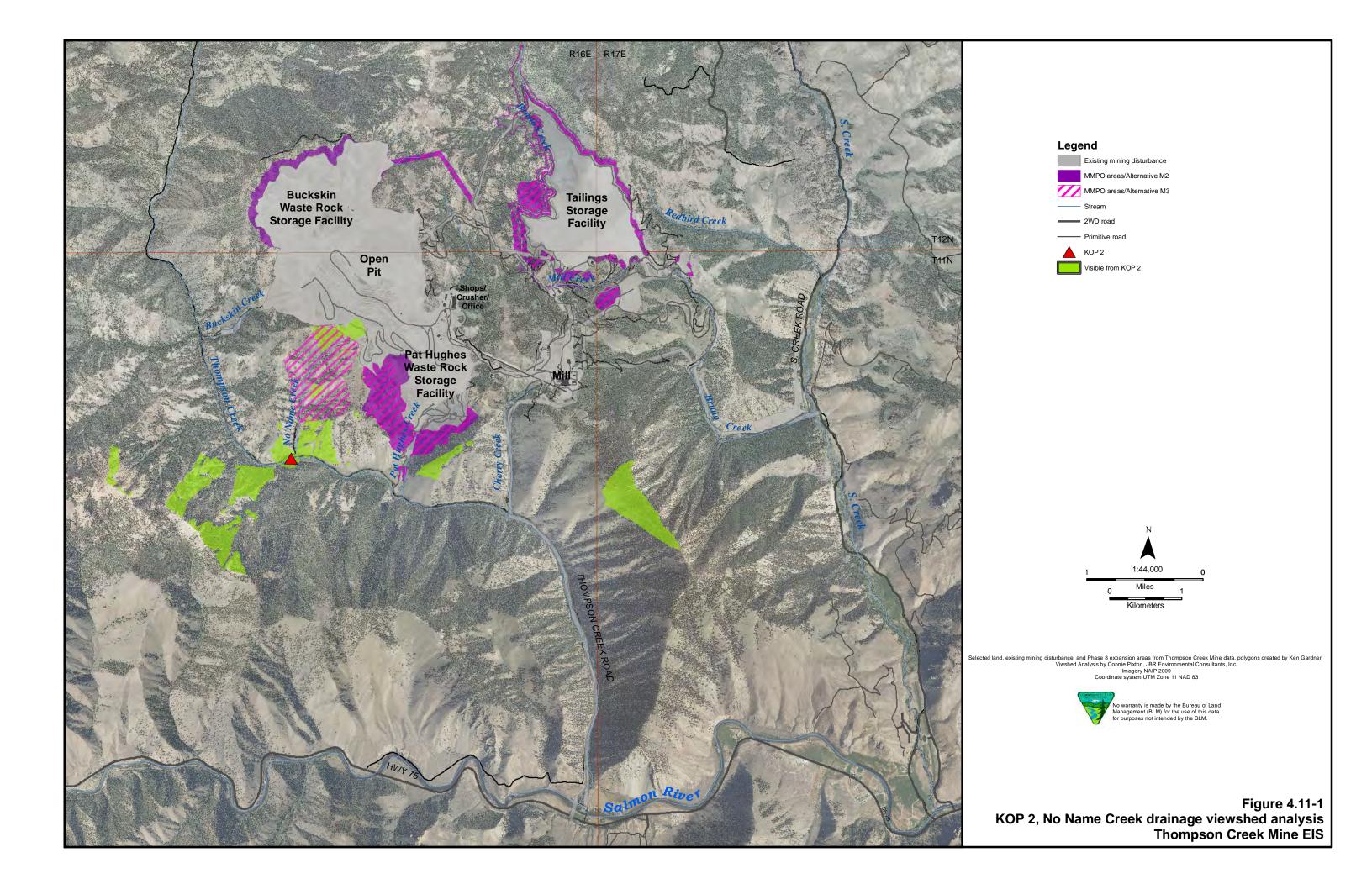


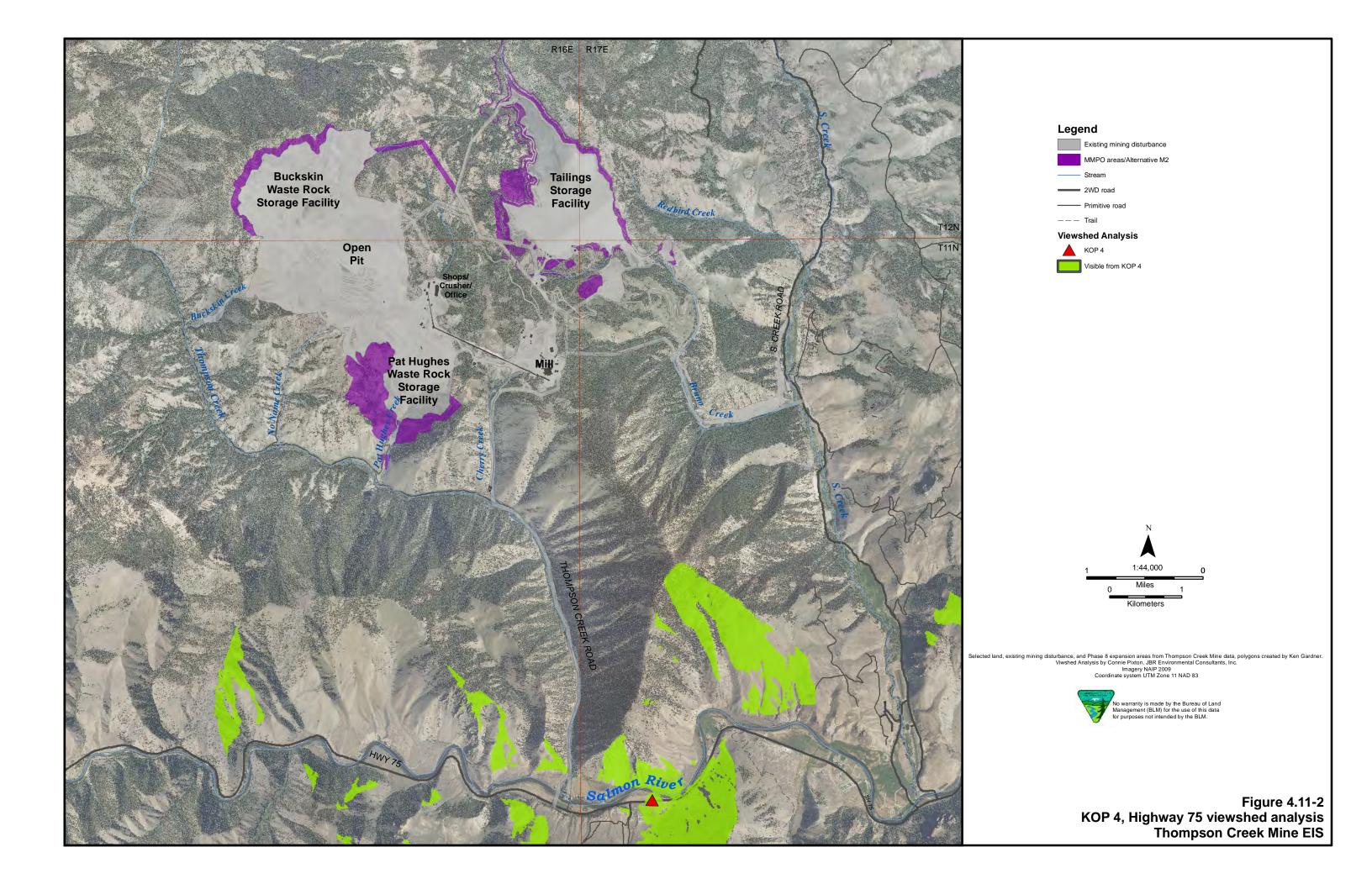


1:15,000 2,500 No warranty is made by the Bureau of Land Management (BLM) for the use of this data for purposes not intended by the BLM. 0.75 Kilometers

- - Primitive road

Special flood hazard areas (100-year floodplain)





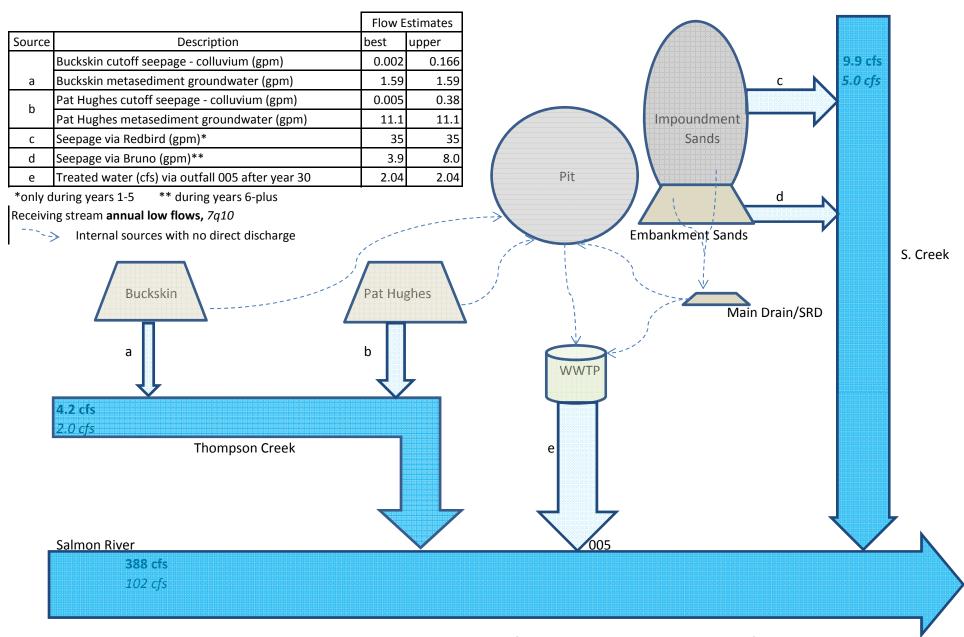


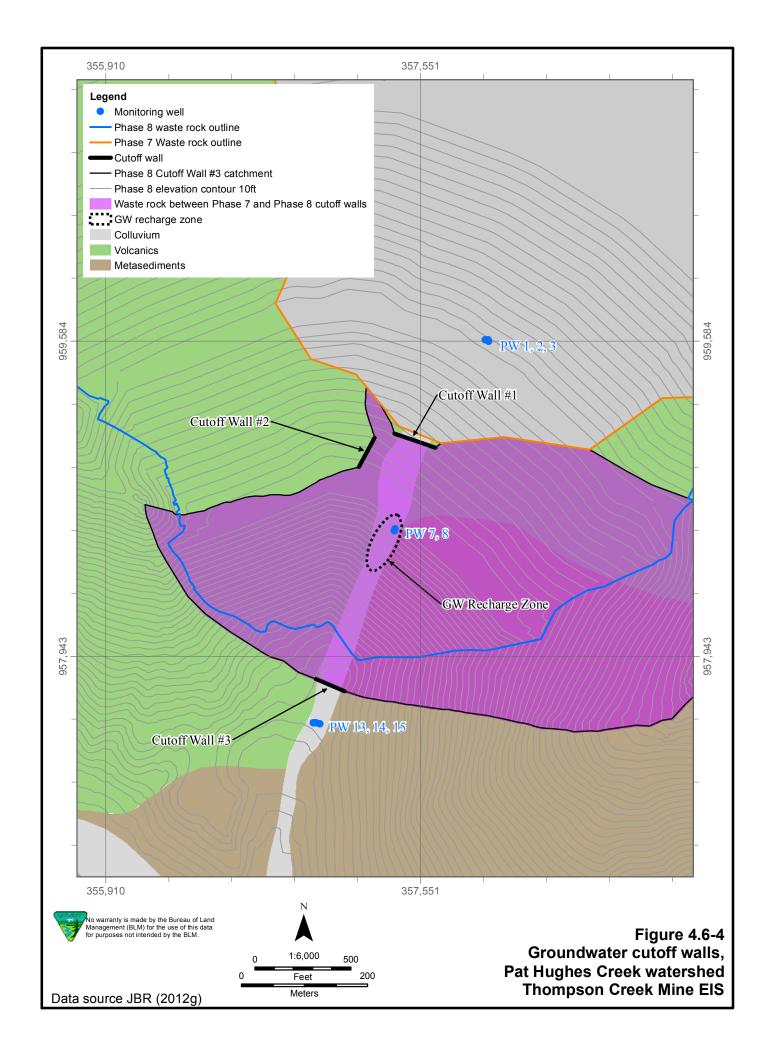
Figure 4.6-1. Alternative M1 reclamation source term fluxes and receiving water flows.

Flow			Average Range (gpm		(gpm)		
Arrow			(gpm)	Min	Max		
	a Buckskin to Best Estimate Lime Plant Upper Estimate		54	0	361		
a			169	55	934		
b	Pat Hughes to	Best Es	stimate	125	64	581	
D	Lime Plant	Upper E	Estimate	125	64	581	
		Best	high flow	110	0	486	
С	Lime Plant to	Estimate	low flow	70	0	581	
	Pit	Upper	high flow	295	123	1,414	
		Estimate	low flow	0	0	0	
d	Ru	unoff to Pit		23	6	201	
е	Main I	Drain Seepage		739	456	1,385	
f	Discha	arge to WW7	ГР	0	0	0	
				· · · >	Lime	C	Pit Embankment
			а		b		Main Drain/SRD

Figure 4.6-2. Alternative M1 water management, years 1-5.

Flow				Average	Range	(gpm)
Arrow	De	escription		(gpm)	Min	Max
2	Buckskin to	Best Estimate		52	0	406
а	Lime Plant	Upper l	Estimate	224		1,580
b	Pat Hughes to		stimate	217		1,532
	Lime Plant		Estimate	217		1,532
		Best	high flow	115		
С	Lime Plant to	Estimate	low flow	141		1,532
Ŭ	Pit	Upper	high flow	423		3,099
		Estimate	low flow	0		0
d Runoff to Pit			80			
e Main Drain Seepage to WWTP f Pit Discharge to WWTP from year 31			145			
f	Pit Discharge to	o WWIP fro	m year 31	636	0	11,938
			a		Lime	C
		Buckskin		Н	Pat lughes	

Figure 4.6-3. Alternative M1 water management, years 6-plus.



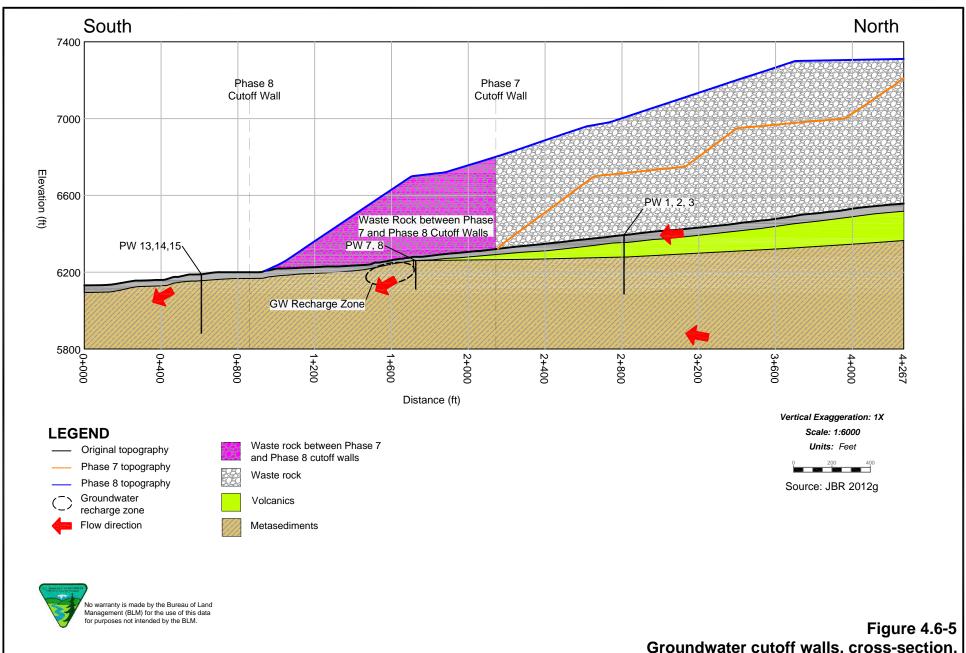


Figure 4.6-5
Groundwater cutoff walls, cross-section,
Pat Hughes Creek watershed
Thompson Creek Mine EIS

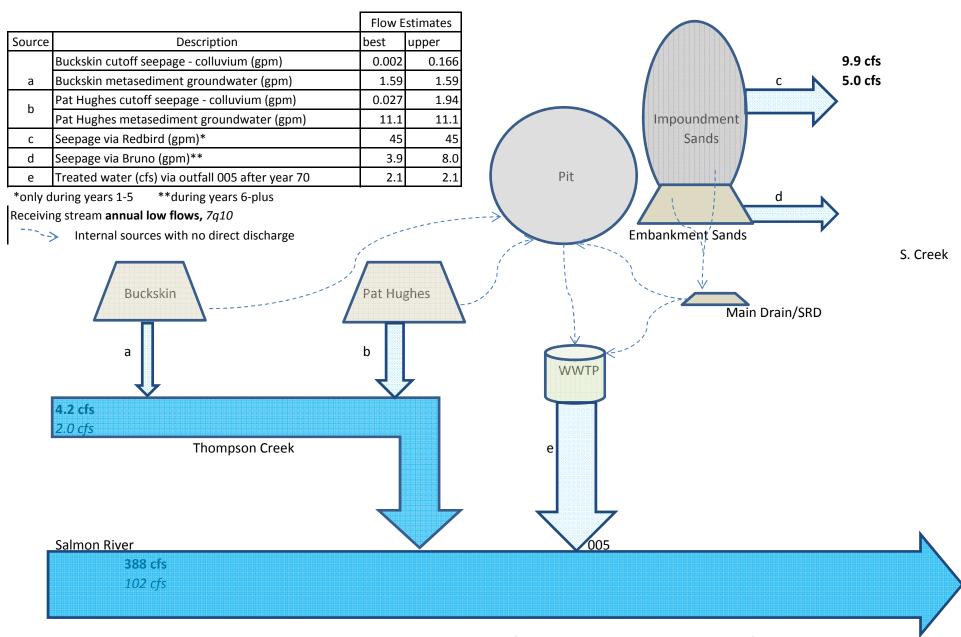


Figure 4.6-6. Alternative M2 reclamation source term fluxes and receiving water flows.

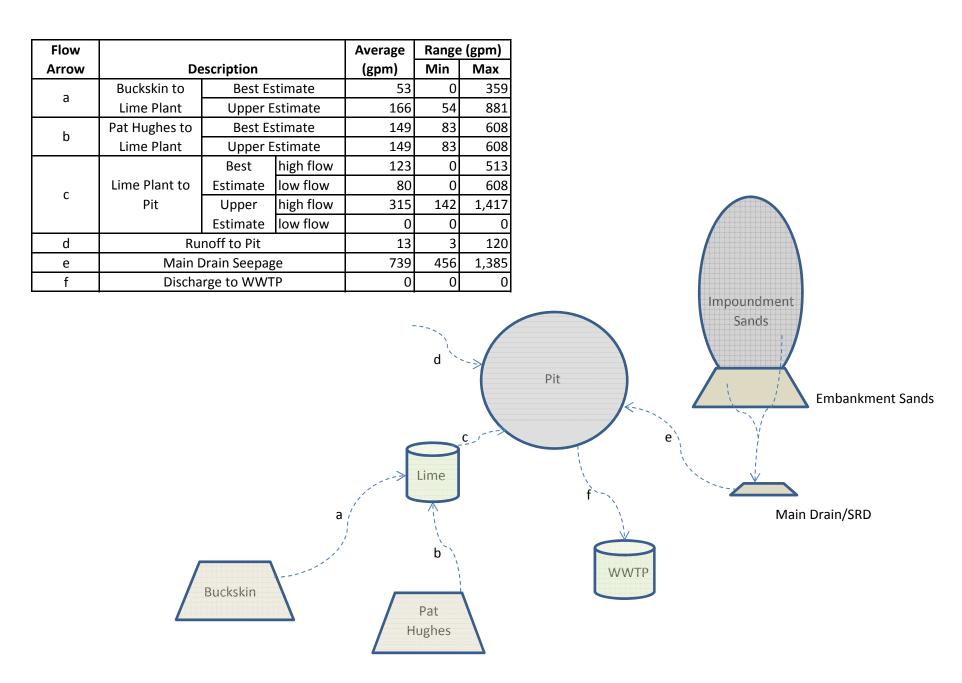


Figure 4.6-7. Alternative M2 water management, years 1-5.

Flow Arrow		escription		Average	Range	lanml	
		escription		1		(gpm)	
_	h	D		(gpm)	Min	Max	
a	Buckskin to		stimate	51	0		
	Lime Plant		stimate	219	45	1,497	
b	Pat Hughes to		stimate	239	70		
	Lime Plant		estimate	239	70		
	Linna Dlanetta	Best	high flow	128			
С	Lime Plant to	Estimate	low flow	150	0		
	Pit	Upper	high flow	440	120	3,069	
		Estimate	low flow	0	0		
d		Runoff to Pit		36	3		
e		Orain Seepag	145		45 522		
f	Discharge to	wwiP from	rear 28	655	U	15,523	Impoundment
		Buckskin	a		Lime	C	Embankment Sand Main Drain/SRD

Figure 4.6-8 Alternative M2 water management, years 6-plus.

